

TEHR 99-001

Wetcleaning Equipment Report

*A report on washers, dryers, finishing equipment,
and detergents for machine-based professional wetcleaning*



by

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and

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Center for Neighborhood Technology

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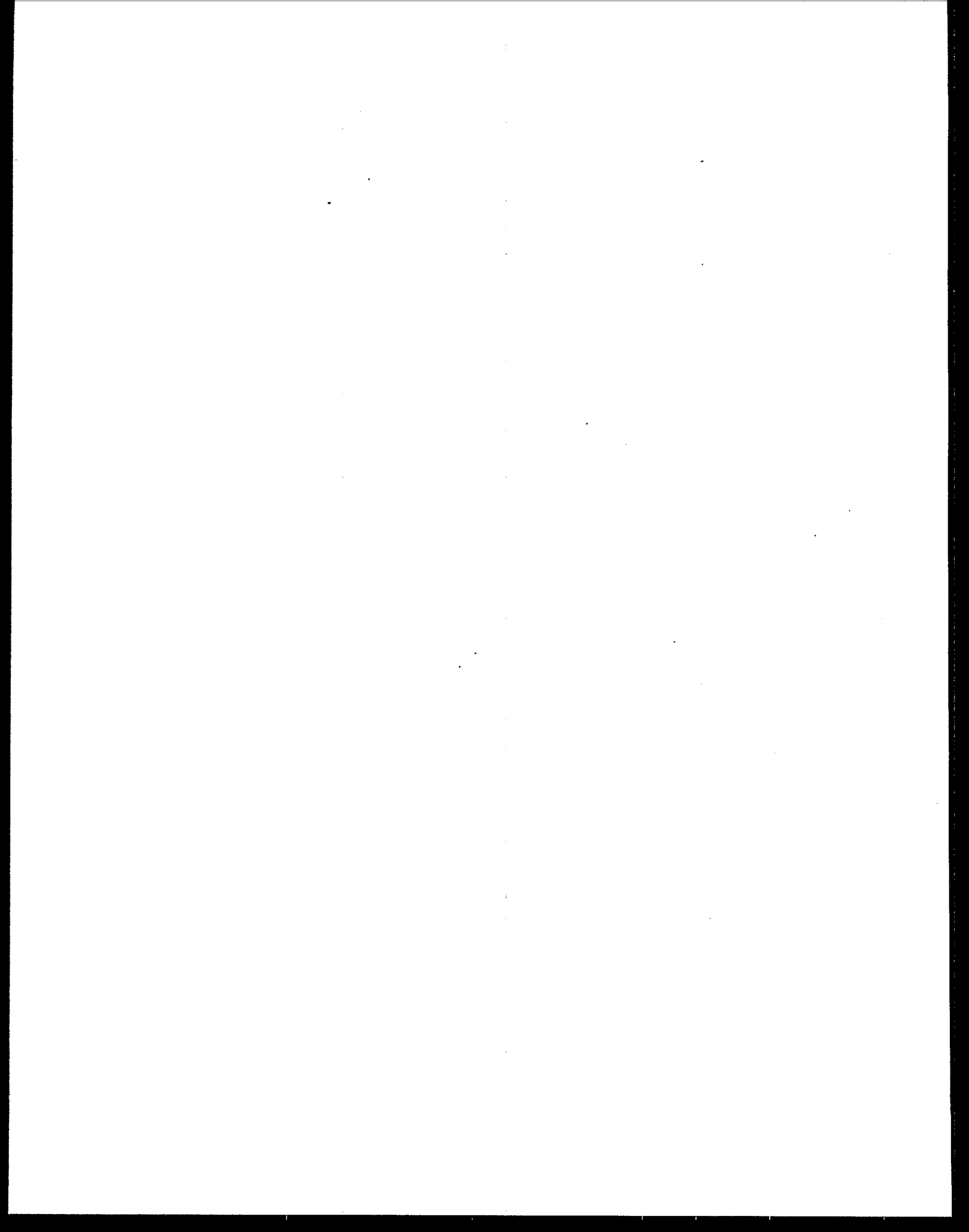
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Introduction

Professional wetcleaning can be called something old and something new. Cleaning in water has always been part of the repertoire of professional cleaners. The ability to clean a large portion of clothes in water in an economically viable way became possible with the development of machine based wetcleaning. By reducing reliance on perchloroethylene -- the most commonly used dry cleaning solvent -- wetcleaning can reduce concerns regarding environmental and health impacts of the garment-cleaning industry. It can help dry cleaners provide their customers with high quality service while avoiding the burdens of regulation and liability.

Wetcleaning machines are a new line of high-tech commercial washing and drying machines that increase the range of dry clean only garments that can be cleaned in water. Wetcleaning processes include these computer-controlled washing and drying machines and professional, labor-intensive techniques which control factors, such as mechanical action and temperature, that can cause shrinkage.

Wetcleaning is a process that requires skill, experience, and knowledge- with a dose of experimentation for best results. With machine wetcleaning, several machine manufacturers believe that the essential components of a quality wetcleaning system should include: a high tech washer, the specifically formulated wetcleaning detergents/chemicals, a high tech dryer, and proper training, cleaning skills, and knowledge of fabrics and fabricare.

This report covers the equipment currently on the United States market. It is divided into three sections. The first section covers washers and dryers, the second section, finishing equipment, and the third section, detergents and other chemicals.

With many new products being released at the Clean Show in June, 1999, complete information and pricing was not available on all products.

Acknowledgments

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Disclaimer

The Center for Neighborhood Technology compiled this information on the features and costs of wetcleaning machines which are presently on the U.S. market. The finding are summarized in this report. This document is not an endorsement of machine based wetcleaning, nor does it include a qualitative evaluation of wetcleaning machines. It is strictly a compilation of information obtained from each company featured.

Wetcleaning Machines

In machine based wetcleaning technology is harnessed to make washers and dryers with precise controls, chemicals optimized for cleaning in water, and tensioning finishing equipment to restore the proper size and shape to garments.

The machines in this report share many common features. Computer control, programmability and other similar features are the essential components of these machines. Manufacturers have adopted different strategies for their equipment. Some offer a full package system of washer and dryer (and also offer the chemicals and finishing equipment) while others sell components and allow the professional cleaner to put together a system tailored to their needs. The machines span a wide range of sizes. There are inexpensive machines designed to supplement dry cleaning to large systems for heavy production loads. There is no one best way for wetcleaning. The diversity of equipment now on the market allows the cleaner who is considering wetcleaning to shop among brands, technologies and scales. It is the position of CNT and the discovery of many cleaners around the world that wetcleaning is an effective, viable technology. It is up to the individual cleaner to decide what selection of equipment and chemical is appropriate for their particular shop.

When considering the investment in any of this equipment, a cleaner should be sure to try to see the equipment in use first hand. Ask a dealer for a demonstration, inquire about other local cleaners using the machine for references, or attend trade shows or seminars.

Note

In wetcleaning machines, load capacity in practice depends upon whether the operator is doing wetcleaning, washing (i.e., regular laundry), shirt laundry, or leather and suede cleaning. For those articles which are highly sensitive to mechanical action, actual load capacity is often only 50% of stated maximum capacity. The capacity will differ between manufacturers and machine size. Where possible this report lists the recommended wetcleaning capacity.

Aqua Clean

Manufactured in Sweden and Denmark by Wascator/Electrolux.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
Mini Aqua Clean	12	35-1300	75-425
System 30S, 30G	18	24-950	40-310
System 50/30S, 50/30G, 50S, 50G	30	24-850	40-300
System 80S, 80G	50	24-650	40-220
EX90	70	n/a	n/a

Key Features

Aqua Clean sells complete packages consisting of both a washer and dryer (which may also be purchased separately). They also sell their own line of wetcleaning chemicals.

Washers feature frequency controlled motor, which allows operator to change speeds/mechanical action of the drum quickly and efficiently.

Machines come with programs preloaded and new programs may be added by the user, up to a maximum of 90 (28 for the Mini Aqua Clean).

Average wash cycle in 25 minutes, longest is 35 minutes. Average drying cycle is 15 minutes.

Dryers are available with either gas and steam heat. Model names are indicated by either G or S. The Mini Aqua Clean is only available with an electric dryer.

Dryers feature Residual Moisture Control (RMC) sensors which directly measure garment moisture 400 times per second for precise drying.

Dryers have up to eight preset programs plus manual cycle options.

The Mini Aqua Clean model is designed to have the dryer stacked on top of the washer and fits into only four square feet of floor space.

The 30 lb. models are distinguished by the size of the dryer. The 30/50 systems have a 30 lb. dryer, the 50 systems, a 50 lb. dryer.

The EX90 washer is paired with 2 50 lb. dryers.

Pricelist

Mini Aqua Clean	\$5,000
System 30S	\$22,730
System 30G	\$22,020
System 50/30S	\$26,165

System 50/30G	\$25,450
System 50S	\$34,605
System 50G	\$31,640
System 80S	\$36,380
System 80G	\$33,475
EX90 Washer	By Request

Options:

Base recycling tank for 30 & 50 systems
\$4,020

Machines without base tanks may have prefabricated steel base to raise washer 6 inches.

System 30	\$353.75
System 50	\$376.75

Contact

Dan Goldman
Aqua Clean Systems, Inc.
469 Doughty Blvd.
PO Box 960338
Inwood, NY 11096-0338

Web: www.wetclean.com

Phone: 516-371-4513
or 800-381-7222
Fax: 516-371-4204

Aquatex

Washer manufactured in Belgium by IPSO, dryer in the US by American Dryer, drying cabinet in England by Evapoform.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
AQW3050	30	10-50,250-1000	383 max.
AQW4065	40	10-50,250-1000	383 max.
AQW75125	75	10-50,250-1000	383 max.

Key Features

Aquatex sells complete systems consisting of both a washer, dryer and detergent stand. An additional drying cabinet is also available to supplement the dryer.

Machines come with 10 programs and the ability to create 30 additional programs

Average wash cycle is 20 minutes.

Dryers are available with either gas or electric heat. Humidity sensors measure both garments and ambient room humidity.

Dyer has six programmable cycles. Cycles range from 15 to 30 minutes. Dryer temperature is reduced as humidity decreases.

Pricelist

Prices were not available from Aquatex.

Contact

Steve Crane
Aquatex
PO Box 1322
Cedar Rapids, IA 52406

Web: www.iowatechniques.com

Phone: 800-727-1592

Fax: 319-366-8941

Böwe Permac

Manufactured in Switzerland by Schulthess.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
Wash 150K	25	15-1050	380
Wash 200K	35	15-950	400
Wash 250K	45	15-925	380

Key Features

Böwe Permac sells complete packages consisting of both a washer and dryer. They also sell wetcleaning chemicals and Veit finishing equipment.

Washers come with 19 standard programs, 12 special commercial programs and room for 80 additional programs.

Washers come with a 4 head pump, and can have up to 8 liquid soap pumps, 4 powder supply cups and 1 door spray pump. Optional single or double reuse tanks and a circulating pump are also available.

Dryers are steam or electrically heated and feature fuzzy logic and residual moisture control sensors. Air is recirculated to conserve energy.

Pricelist

Wash 150	\$19,900
Wash 200	\$27,995
Wash 250	\$33,895
Options:	

Single reuse tank for Wash 150
\$2,696

Double reuse tank for Wash 150
\$4,850

Single reuse tank for Wash 200
\$2,995

Double reuse tank for Wash 200
\$5,295

Circulation Pump \$1,285

Door Pump with Spray
\$1,225

Contact

John Bogart
Böwe Permac
2425 109th Street
Grand Prairie, TX 75050

Web: www.bowegcs.com

Phone: 972-503-1998

or 800-287-0870

Fax: 972-503-3311

Continental Girbau

Manufactured in Spain

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
H1055 ISPM	30	44	94/380

Key Features

Twenty programs factory installed, 79 user programmable.

Complete flexibility in wash process including wash agitation, rotation speed, water temperature.

Six water levels, six extract levels from 66 to 950 rpm.

Nine signals for machine controlled chemical injections.

Thermostatically controlled cool down.

Moisture sensing dryers are also available in 30 to 190 lb. capacity with steam, gas, or electric heat sources.

Pricelist

H1055 ISPM \$15,198

Contact

Joel Jorgensen
Continental Girbau
2525 Bowen Street
Oshkosh, WI 54901-2021

Web: www.cont-girbau.com

Phone: 920-231-8222

Fax: 920-231-4666

Daewoo

Manufactured in Korea.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
DWF-1088PA	24	160/770	n/a
DWF-9290PA	20	160/770	n/a
DWF-5590PA	12	145/780	n/a

Key Features

Daewoo only sells a washer. Special chemicals are also available.

Washer fits into approximately 4 square feet.

Daewoo washers use what the company calls "air bubble power" in which air bubbles pumped through the base of the drum provide vertical water flow while the pulsator provides reverse flow.

7-8 programs are included.

Notes on Specific Models

DWF-1088PA and DWF 9290PA allow programming by the user and have steel cabinets.

Pricelist

DWF-1088PA	\$1,099
DWF-9290PA	\$949
DWF-5590PA	\$599

Contact

CNA, Inc.
1113 Salem Drive
Schaumburg, IL 60194

Phone: 847-885-3600

Fax: 8470885-3672

Edro Dynawash

Manufactured in the United States.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
DX60P26	30	45-700	209 max.

Key Features

Edro offers a wetcleaning package as an option on their 60 lb. rigid mounted washer.

39 program memory with 24 steps per program. 8 factory set programs.

Washer includes the following features:

Bath water re-circulating pump, Thermal fill, Still fill/ still drain, 5 cup dispenser, Automatic flushing liquid/dry supply injection with supply hopper, 5 External chemical signals with supply hopper access for external chemical inlet piping, 5 Programmable water level settings, Programmable wash, drain/distribution and 4 Extract speeds.

Pricelist

Prices were not available from Edro.

Contact

Ed Kirejczyk
Edro Corporation
37 Commerce Street
PO Box 308
East Berlin, CT 06023-0308

Web: www.edrodynawash.com

Phone: 860-828-0311

Fax: 860-828-5984

Marvel

Manufactured in the US.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
ADS 40#	40	24-600	98/193
ADS 60#	60	24-600	115/170
ADS 100#	100	24-600	28/111

Key Features

Marvel sells the "AquaDry" washer which features a built-in drying system. The Marvel system eliminates the need to transfer clothes from the washer to dryer by processing the clothes in one unit.

Microprocessor controlled. May be reprogrammed on a personal computer.

Two temperature gauges for adjustable drying settings.

Pricelist

ADS 40#	\$20,995
ADS 60#	\$23,995
ADS 100#	\$29,995

Options:

Thermometer	\$175
Alarm	\$130
Steam Injection	\$515
Extra Supply	\$310
Two Thermal Fills	\$460

Contact

James DeSanto
Marvel Manufacturing
5922 San Pedro
San Antonio, TX 78212

Phone: 210-344-8551
or 800-487-1326
Fax: 210-344-3004

Milnor

Manufactured in the US.

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
30022 F8W	55	5-40/200-835	297 max.
36030F8W	110	5-43/200-810	335 max.
42032F7W	165	5-40/200-750	335 max.

Key Features

Milnor sells both a washer and a dryer.

100 programs available, 98 are user-programmable.

Programmable temperature control

Programmable RPMs, rotation, and dwell time.

Programmable water level.

Ten programmable liquid supply signals and connections.

Options include water/chemical recirculation, overhead water reuse tank, five compartment flushing supply injector, electric heating cooldown.

Pricelist

30022 F8W	\$17,900
36030F8W	\$28,995
42032F7W	\$37,795
Dryer	\$7,816

Contact

Leroy Trevigne
Pellerin Milnor
PO Box 400
Kenner, LA 70063

Web: www.milnor.com

Phone: 504-467-9591

Fax: 504-468-9307

UniMac

Manufactured in USA

<u>Model</u>	<u>Capacity (lbs.)</u>	<u>Drum RPM</u>	<u>Extract G</u>
UF18	10	86-1080	350 max.
UF25	13	N/A	N/A
UF35	20	69-960	350 max.
UW35	20	65-795	350 max.
UW60	30	65-720	350 max.
UF85	45	63-825	350 max.
UW85	45	70-580	350 max.
UW125	65	62-580	350 max.
UF135	70	55-715	350 max.
UF250	125	55-650	350 max.

Key Features

UniMac sells both washers and dryers, but does not specifically package them together.

UF models are softmounted, UW models have a rigid mount.

39 programmable cycles, 7 programmable wash actions, 3 programmable water levels, 2 programmable wash speeds, 4 programmable extract options, 8 liquid supply signals, programmable heat option. UniMac recommends consulting with chemical suppliers for programming advice.

Wash cycles range from 15 to 40 minutes.

Washer options include: water reclamation module, water recirculation module, starch dispenser module, and spray impregnation module.

Dryer available in either steam or electric heating.

Dryers have 10 levels of dryness

Drying cycles range from 8 to 35 minutes.

Dryer options include: reversing cylinder, stainless steel cylinder and stainless steel panels.

Pricelist

Washers:

UF18	\$4,352
UF25	N/A
UF35	\$10,332
UW35	\$8,373
UW60	\$9,191
UF85	\$14,167
UW85	\$19,609
UW125	\$19,791
UF135	\$30,340
UF250	\$50,480

Dryers:

DTB35	\$2,594
DTB50	\$2,896
DTB75	\$3,489
DTB120	\$7,429

Contact

Kim Shady

UniMac

PO Box 990

Ripon, WI 54971-0990

Web: www.comlaundry.com/unimac

Phone: 800-587-5458

Fax: 414-748-4590

Finishing Equipment

While some equipment companies say their machines work with standard pressing equipment, tensioning finishing equipment is increasingly recognized as an essential component of wetcleaning. Performance tests have shown that wetcleaning is effective in the actual cleaning of clothes, but that dimensional change (shrinking and stretching) can be a problem. The increased labor costs associated with proper finishing of clothes can increase the cost of wetcleaning and make it not financially comparable to dry cleaning. Tensioning equipment can provide a means to reduce the labor costs of finishing clothes.

There are two main types of tensioning equipment, form finishers and pants toppers. Both pieces of equipment function by using steam to relax fibers, moving parts to stretch and shape clothes and hot air to dry.

Clean Concepts

Manufactured by Fimas

Model 102 Finishing Station

Full-featured finishing station. Vacuum and up-air. Adjustable height table. Ironing surfaces and sleeve arm are heated.

Model 311 Tensioning Shirt and Coat Finisher

Adjustable for steam, steam and air, air, tension.

Model 370 Tensioning Pant, Coat, Dress and Skirt Finisher

Tensioning finishing for multiple garment types.

Suction fan pulls steam away from operator.

Steam: 75-80 lbs

Air Pressure: 80 psi

Contact

John Tipps

Clean Concepts

11129 Shady Trail

Dallas, TX 75229

Phone: 972-406-8107

Fax: 972-406-8057

High-Steam

Hi-Steam sells a "European Finishing Center" which includes a tensioning form finisher, a tensioning pants topper and a finishing board.

JAM500 Tensioning Form Finisher

Telescoping Form-Adjusts in height to allow for finishing of long garments and overcoats.

Front and rear blades along with inside expanders-Hold the garment in the proper position and shape.

3 Timers-Steam, Steam/Air, and Air cycles with the variable cycle times.

Automatic tensioning-at start of steam cycle the form raises slightly to put the garment under tension.

Foot Pedal Controls-Allows both hands free for proper positioning of garment.

Steam Pressure: 60-90 PSI

Air Pressure: 90-125 PSI

PAM200 Tensioning Pants Topper

Waistband Tensioning Device.

Adjustable Cuff Clamps, Inside Cuff Expanders.

Electronic Program Controls- Can program Steam, Steam/Air and Air cycle times.

Automatic Tensioning- At the start of the steam cycle the pants are placed under tension.

Steam Pressure: 60-90 PSI

Air Pressure: 90-125 PSI

Contact

Stuart Ilkowitz

Hi-Steam

610 Washington Avenue

Carlstadt, NJ 07072

Phone: 201-560-9333

Fax: 201-460-3578

Sankosha

CN-50 Automated Form Finisher

Sankosha claims that a garment may be finished in 40 seconds.

The form height is adjustable to suit various types of garments and adjustment of garment on the form is easy to do.

Button Control- Once garment is on the form, front and back clamping, upward and sideways stretching are in automatic operation.

Steam, Steam-air and drying time set by button control.

Form Height selection 9 increments.

3 modes: No sideways stretching; Before and after steaming the form is stretched up in 2 steps; Steam-air is eliminated.

Steam: 71 PSI

Air: 71 PSI

CN-200 Panther Press

Combination pants topper and legger.

Contact

Wesley Nelson

Sankosha USA Inc.

1715 Elmhurst Road

Elk Grove Village, IL 60007

Phone: 847-427-9120

Fax: 847-427-9634

Veit

8355 & 8360 Multiform

Pneumatic height adjustment.

Easy garment positioning is granted by a suction facility in the hem area.

Lateral slide, clamps and height controlled separately.

Removable lapel clamp with height adjustment and long pressure clamp are included.

Base unit with strong, adjustable fan and bust, can be turned through 180°.

Controls on a separate stand.

Rotating chest on 8360 model.

Accessories:

Sleeve tensioners.

Sleeve fix, small and large sizes

Cabin. Creates less condensate, no steam escapes during the finishing process

8740 & 8730 Trouser Topper

Veit claims 125 parts per hour output.

Excellent, condensate-free steam provided by integrated steam reheater.

Optimal steam distribution through double steam nozzles.

Adjustable horizontal/vertical tensioning.

Times for steam, steam/air and air can be adjusted separately to give good finishing with all types of materials.

Contact

John Bogart

Böwe Permac

2425 109th Street

Grand Prairie, TX 75050

Web: www.bowegcs.com

Phone: 972-503-1998

or 800-287-0870

Fax: 972-503-3311

Detergents

A wide range of detergents and other chemicals for wetcleaning are now available. Some products are marketed with wetcleaning machines while others may be purchased from distributors or directly from the manufacturer. The typical chemicals used in wetcleaning include spotting agents, detergents, fabric conditioners and sizing products. Because wetcleaning will handle water and oil based stains differently than dry cleaning, the process of treating stains will require different chemicals and process. Some of these products were originally designed for laundry and hand washing and have been adapted to machine based wetcleaning. Others have been specifically formulated for wetcleaning.

Cleaners particularly concerned with the complete elimination of toxic and hazardous chemicals from the cleaning process may wish to ask for Material Data Safety Sheets (MSDS) from the supplier. These information sheets will provide information on specific chemicals, and risks associated with the use of a product. Some of the chemicals listed here are completely non-toxic while others contain small amounts of hazardous substances.

Professional wetcleaning is most successful when specially formulated detergents and chemicals are used. In the early days of wetcleaning, cleaners had a limited selection of soaps to choose from. As the popularity of wetcleaning has increased, there is now a strong line-up of products available.

Wetcleaning chemicals can be generally classified as:

- Spotting Agents
- Detergents
- Conditioners
- Sizing

Spotting agents for wetcleaning are different from spotting agents for drycleaning, and care must be taken not to use drycleaning products that are inappropriate for wetcleaning.

Many companies offer more than one detergent, each tailored to a particular classification of garments

Conditioners are added smoothness and softness to garments. They also coat fibers in a way that helps prevent shrinkage.

Sizing adds body to garments. It improves creases and helps with finishing.

Other products for wetcleaning include water repellents and specialized products for the cleaning of leather and suede.

Adco

Detergents

Wetcleaning Detergent

Wetcleaning Combo

Combines detergent, sizing and conditioner into one package.

Conditioner

Wetcleaning Sizing and Conditioner

Contact

Jerry Harlan

Adco

PO Box 999

Sedalia, MO 65302-0999

Web: www.adco-inc.com

Phone: 800-821-7556

Aqua Clean

Detergent

Aquasafe Detergent

Conditioner

Prefinish Conditioner

Other

Dye Fixer

Dye fixer inhibits color loss and bleeding.

Suedesoft

Suedesoft restores the oils and suppleness to leather and suede garments and trim

Contact

Dan Goldman

Aqua Clean Systems, Inc.

469 Doughty Blvd.

PO Box 960338

Inwood, NY 11096-0338

Web: www.wetclean.com

Phone: 516-371-4513

or 800-381-7222

Aquatex

Detergent

Aquatex Detergent

Sizing

Retex

Conditioner

Aquatex Finish

Leather Cleaning

Leather Det

Leather Finish

Contact

Steve Crane

Aquatex

PO Box 1322

Cedar Rapids, IA 52406

Web: www.iowatechniques.com

Phone: 800-727-1592

Bufa

Spotting Agents

Oldopal Forte

Detafix-Set

Detergents

Oldopal Basic

Oldopal L

Oldopal W

Conditioner

Oldopal Prefinish

Other

Terasit + Scotchgard

Contact

John Bogart

Böwe Permac

2425 109th Street

Grand Prairie, TX 75050

Web: www.bowegcs.com

Phone: 972-503-1998

or 800-287-0870

Colorex

Leather Cleaning

Surfactone Detergent

Surfactone Softener

Surfactone Prespotter

Surfactone Dye Inhibitor

Contact

Yvonne Matsoukas

Colorex Chemical

7115 N. Austin Ave

Niles, IL 60714

Phone: 847-647-0472

Daewoo

Detergent

Dryten

Contact

CNA, Inc.

1113 Salem Drive

Schaumburg, IL 60194

Phone: 847-885-3600

Fabritec

Detergents

Gentle Tex

Versa Tex

Conditoner

Condition-it

Contact

Harold Mains

Fabritec

200 Industrial Road

Cold Spring, KY 41076

Web: www.fabritec.com

Phone: 800-543-0406

Fiber Tech

Detergents

Opticare

Opticare AGC

Lower pH, designed for cleaning wools.

Conditioner

Opticare B

Sizing

Opticare C

Contact

Marion Giammerse

Fiber Tech

Post Office Box 13588

New Orleans, LA 70185-3588

Phone: 504-482-2169

Gurtler

Spotting Agent

Dis-it

Detergent

Easiclean

Conditioner

Softfab

Sizing

Handle

Contact

William Gurtler

Gurtler Chemicals Inc.

15475 South LaSalle St.

South Holland, IL. 60473

Phone: 708-331-2550

or 800-638-7300

Kirk's Suede Life

Leather Cleaning

Pre-spotter

De-Ink

Geep

Leather Bath #1

Leather Bath #2

Contact

Robert Stewart

Kirk's Suede Life

2501 W. Fulton St.

Chicago, IL 60612

Web: www.ksl-c-g.com

Phone: 800-447-5475

Laidlaw

Spotting Agent

Laundry Wetspo

Detergent

Powerbrite

Soft 'N Brite

For fragile garments

Conditioner

SoftenAll

Sizing

AquaSize.

Contact

Tom Beckman

Laidlaw Corp.

6625 North Scottsdale Road

Scottsdale, AZ 85250

Web: www.laidlawcorp.com

Phone: 800-528-8295

Pariser

Spotting Agent
Spot Shot

Detergent
Wet-Dette Ultra

Conditioner
Hydrocon

Other
Luxol

Contact
Jack Miller
Pariser Industries
30 Galesi Drive
Wayne, NJ 07470-4829
Phone: 201-890-5700

R.R. Street

Spotting Agents
AquaSolv Universal Pre-Treatment

Detergent
Hydrocare Detergent

Conditioner
Fabric Conditioner

Sizing
Retexturizing Finish

Other
Ready-Strip

Contact
Andrea Lovelady
R.R. Street & Co.
184 Shuman Boulevard
Naperville, IL 60563-8464
Web: www.4streets.com
Phone: 630-416-4244

Royaltone

Spotting Agents

Spot Plus

Magic Kit

Soft Set

Detergent

Soft Wash

Conditioner

Soft Feel

Sizing

Soft Size

Other

Magic Kote Repellent

Leather Cleaning

Prosuede

Leather Magic

Spot Magic

Ink Magic

Leather Fix

Leather Soft

Leather Size

Leather Seel

Contact

Frank Lucenta

Royaltone

PO Box 35949

Tulsa, OK 74153

Phone: 800-331-5506

Sanitone

Detergents

Elegant Care

Casual Care

Conditoner

Revitalize

Contact

Harold Mains

Fabritec

200 Industrial Road

Cold Spring, KY 41076

Web: www.fabritec.com

Phone: 606-781-8200
or 800-543-0406

Seitz

Spotting Agents

Superspot

Prespot

Maxx

Detergents

P1

Megal

Main

S Color

Conditioners

Top Size

F+Size

Contact

John Phillips

Seitz

3105 W. Waters Ave

Suite 214

Tampa, FL 33614

Web: www.seitz-gmbh.de/englisch/seitz.htm

Phone: 813-830-6119

Stamford

Spotting Agent

Laundry pre-spotter

Detergents

DLD

Wetclean

Conditioner

Conditioner

Contact

Harold Mains

Stamford

200 Industrial Road

Cold Spring, KY 41076

Web: www.fabritec.com

Phone: 606-781-8200

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